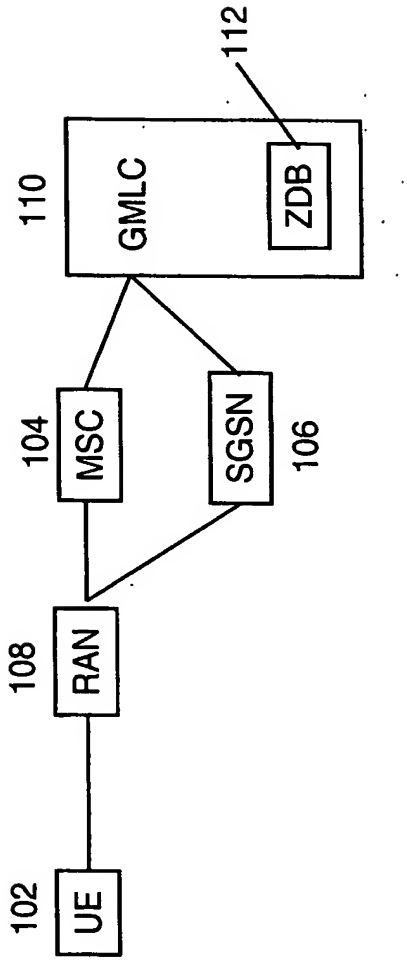



Fig. 1

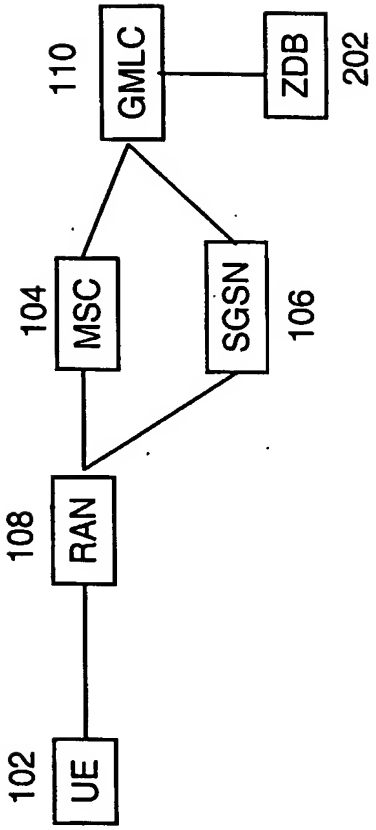



Fig. 2

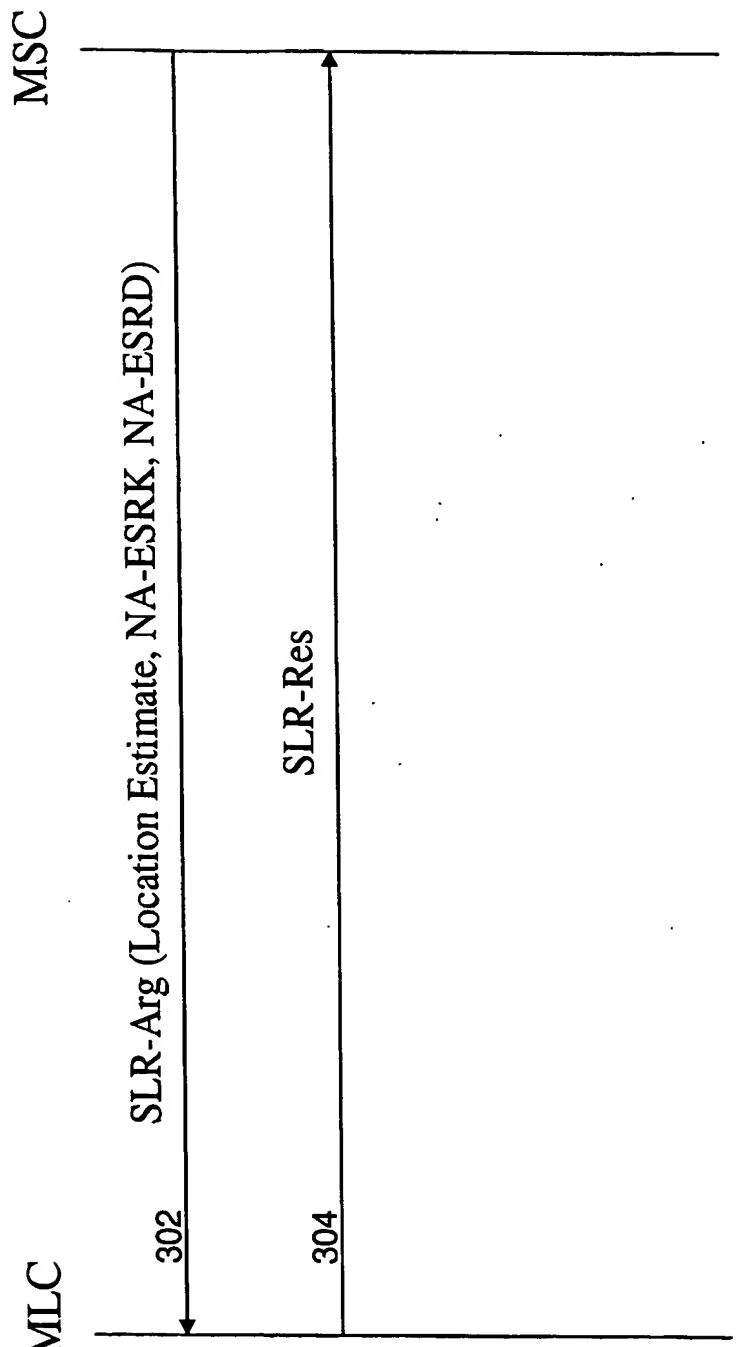



Fig. 3

PRIOR ART

Fig. 4

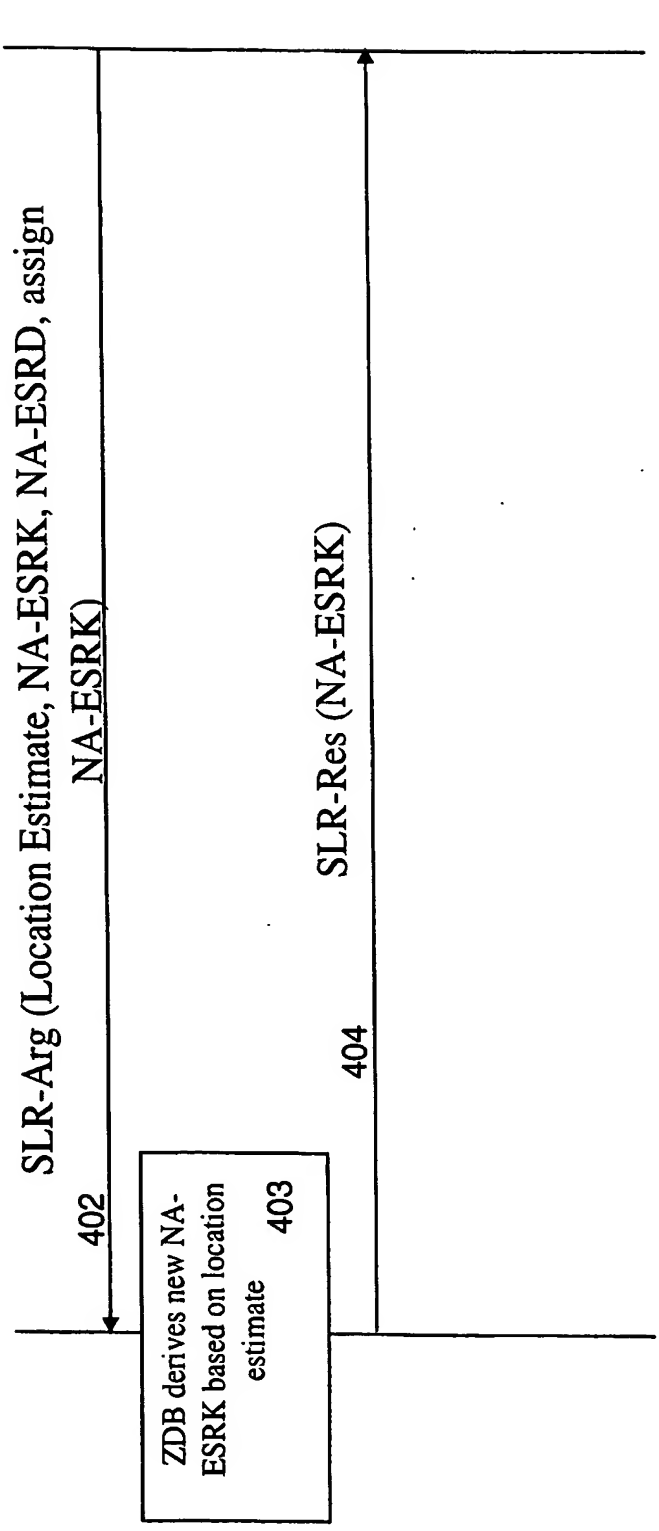

GMLC
MSC
SLR-Arg (Location Estimate, NA-ESRK, NA-ESRD, assign NA-ESRK)
402
ZDB derives new NA-ESRK based on location estimate
403
SLR-Res (NA-ESRK)
404

Fig. 5

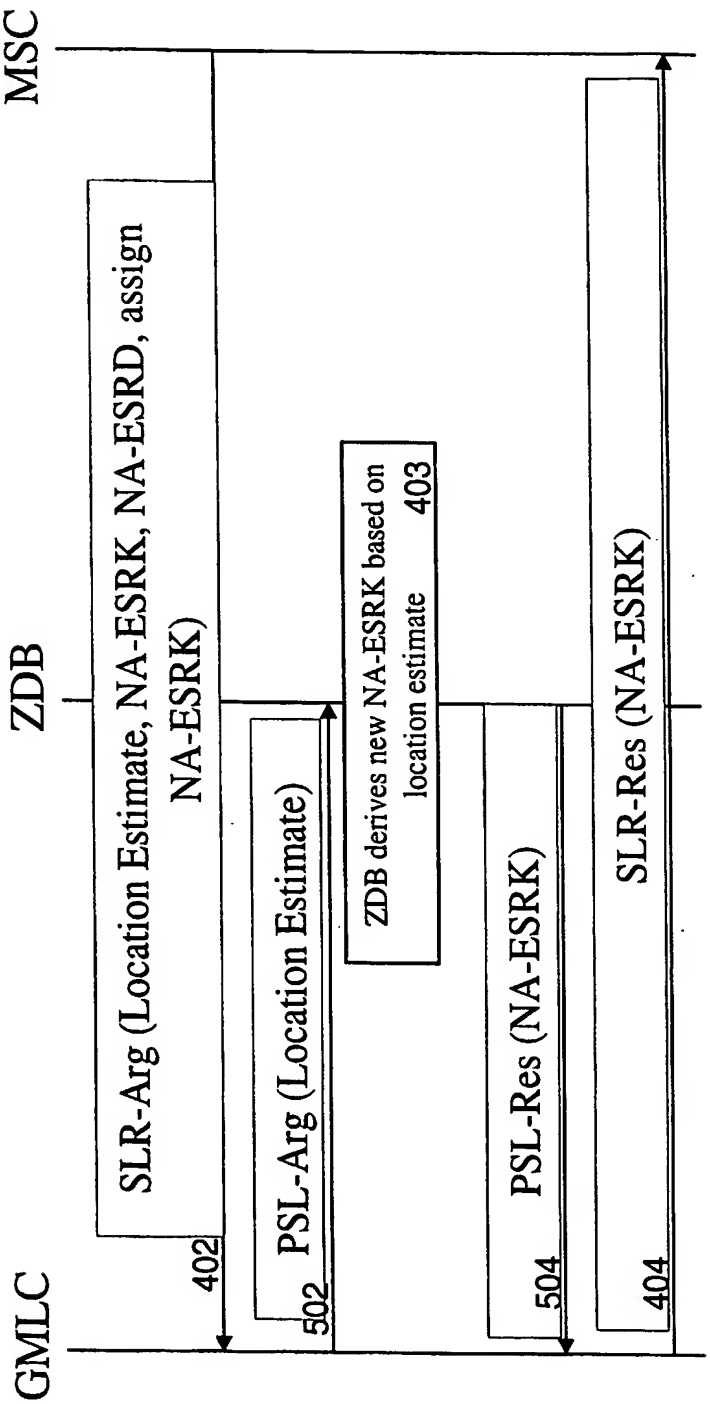
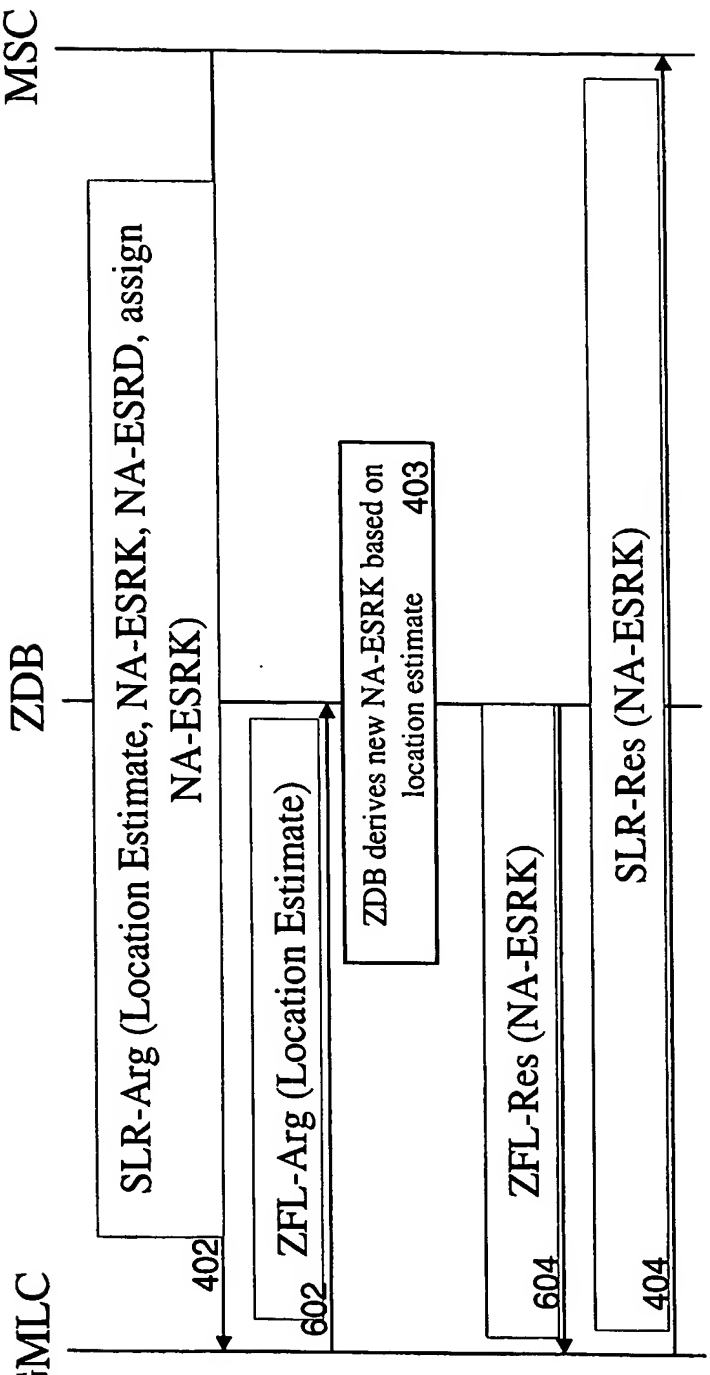

GMLC
ZDB
MSC
SLR-Arg (Location Estimate, NA-ESRK, NA-ESRD, assign NA-ESRK)
402
PSL-Arg (Location Estimate)
502
ZDB derives new NA-ESRK based on location estimate
403
PSL-Res (NA-ESRK)
504
SLR-Res (NA-ESRK)
404

Fig. 6


GMLC
ZDB
MSC
SLR-Arg (Location Estimate, NA-ESRK, NA-ESRD, assign NA-ESRK)
402
ZFL-Arg (Location Estimate)
602
ZDB derives new NA-ESRK based on location estimate
403
ZFL-Res (NA-ESRK)
604
SLR-Res (NA-ESRK)
404

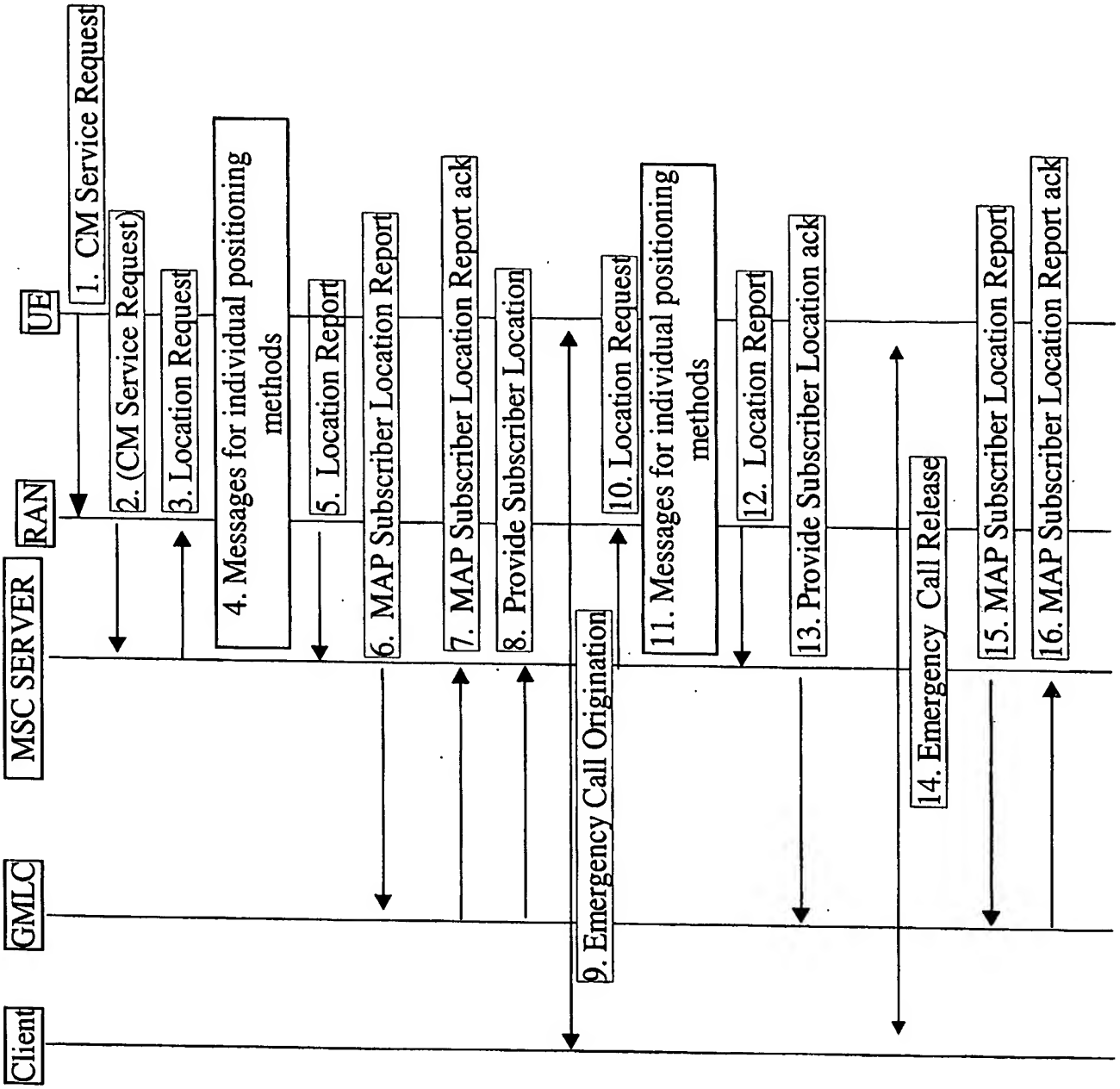

UE
RAN
MSC SERVER
GMLC
Client
1. CM Service Request
2. (CM Service Request)
3. Location Request
4. Messages for individual positioning methods
5. Location Report
6. MAP Subscriber Location Report
7. MAP Subscriber Location Report ack
8. Provide Subscriber Location
9. Emergency Call Origination
10. Location Request
11. Messages for individual positioning methods
12. Location Report
13. Provide Subscriber Location ack
14. Emergency Call Release
15. MAP Subscriber Location Report
16. MAP Subscriber Location Report ack

Fig. 7